

## DATA REQUIREMENTS DESCRIPTION (DRD)

<b>1a DRD Title</b> <b>Performance Measures</b>  <b>1.b Data Type: 1</b>	<b>2. Date of current version</b>  <b>June 5, 2012</b>	<b>3. DRL Line Item No.</b>  <b>MPIC-PC-03</b>	<b>RFP/Contract No. (Procurement completes)</b>  <b>NNJ12414367L</b>
<b>4. Use (Define need for, intended use of, and/or anticipated results of data)</b>  Data and information that characterizes past, current and future Program performance		<b>5. DRD Category: (check one)</b> <input checked="checked" type="checkbox"/> Technical <input type="checkbox"/> Administrative <input type="checkbox"/> SR&QA	
<b>6. References (Optional)</b> SOW 1.1.2.2 Whiter Paper: Performance Management in the MPCV Program	<b>7. Interrelationships (e.g., with other DRDs) (Optional)</b> DRD MPIC-PC-01, Planning Data Set DRD MPIC-PC-02, Performance Data Set DRD MPIC-PC-04, Integrated Analysis		
<b>8. Preparation Information (Include complete instructions for document preparation)</b>  <p><b>SCOPE:</b> Performance measures are reports of current and forecast Program-wide technical, schedule and cost performance. There are three individual measures: 1) Functional Data Products, 2) Forecasts and 3) Independent Assessments. Functional Data Products capture and report variance calculated by comparing actual performance, as reported by a Program contractor or NASA participating organization, with planned performance for that function as represented by data in the Planning Data Set (MPIC-PC-01). Variance for an assumption is an assessment of its continuing viability along with an identification of impacts to Program performance, if current viability is different than initially thought. Variance for risk is identification of any changes in technical, schedule, or cost risk, or in mitigation of those identified risks, since the last reporting period along with an assessment of impact. Functional Data Products are historic and are applicable for the time period for which 'actual' values were reported. Forecasts are statements of alternative future performance based on extrapolations of, or projections on, past and current values of Functional Data Products (trends). Independent Assessments are characterizations of current and future performance developed by alternative methodologies such as identifying critical flight-product elements and subsystems, and tracking actual development compared to planned development.</p> <p><b>CONTENT:</b> Functional Data Products are, as a minimum: 1) cost and workforce variance reports, 2) schedule variance reports, 3) flight product development (schedule) discrepancy reports, 4) Earned Value Management (EVM) assessment reports, 5) risk assessment reports, and 6) assumption validity reports. Forecasts are estimates of technical, schedule and cost performance for the next reporting period, and for completion (i.e., verify cost estimate at completion). Independent Assessments characterize expected technical, schedule and cost performance by alternative methods, such as examination of the development status of critical key component parts that drive assembly complete.</p> <p><b>FORMAT:</b> Performance Measures are content in the Performance Data Set.</p>			
<b>9. OPR:</b> The Responsible NASA Official (RNO) for technical functional data products and for forecasts and independent assessments is the Lead for Monitor and Control in the PP&C Office. The RNO for Schedule functional products and for integrated cost and schedule products (EVM and IMS) is the Lead for Planning in the PP&C Office. The RNO for (cost) Resource functional products is the JSC Resources Management Office (RMO) matrixed to the Manager of the PP&C Office.			

**10. DELIVERY:** Data Products are submitted as input to the Performance Data Set. Data Reports are presented Monthly.

**Data Products**

1. Functional Data Products
  - a. Cost variance report
  - b. Workforce variance report
  - c. Schedule variance report
  - d. Analysis Schedule
  - e. Program Earned Value Management report
  - f. Assumption validity report
  - g. Risk assessment report
  - h. Other, as requested

**Frequency of Submission**

Monthly

2. Forecasts

Monthly

3. Independent assessments

Monthly

4. Presentations

Monthly

**Data Report**

Content in Performance Data Set Report

Monthly

**Additional Submissions**

Performance measures shall be updated monthly following Supplier data product submissions and quarterly following Program Reviews.

**11. MAINTENANCE:** The contractor shall provide access to the Performance Measures through the Graphical User Interface for the Performance Data Set.

**12. COPIES/DISTRIBUTION:** Data products will be delivered directly to the Performance Data Set as data elements and integrated with existing content.

**13. REMARKS:** None